11/10/83
A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 10 October, 1983

Paper and Paperboard Production: Spurting Ahead

The rate of paper and paperboard production shot up dramatically in the third quarter of 1983, with the September trend value (the average of the August and September seasonally adjusted rates) moving to a unprecedented 66.75 million tons per year, exceeding the high trend level of 65.3 million tons per year attained in August. July 1983 was the first time that the rate of paper production reached the 64 million tons per year rate, and rates have moved up in both August and September.

Production in the first half of 1983 was at the rate of 62.6 million tons per year, which was about one-half percent below the record-high 62.9 million tons per year reached in the first half of 1981. The third quarter performance broke that record.

Data for the first two weeks of October show production of paper and paperboard at a seasonally adjusted rate above the 67 million tons per year level. Furthermore, should production remain at that rate for the remainder of 1983, the total production for the year would be in excess of 64.5 million tons, 8.4% above the 1982 recession low and 3.5% above the previous high of 62.3 million tons established in 1981.

The actual rate of production in the first nine months of this year was at an annual rate of 63.8 million tons, 7.5% above the 1982 rate and 2.4% above the average level for all of 1981.

The January-September 1983 gains in production over 1982 were distributed more or less equally between the paper and paperboard grades. Total paper production in the first nine months of 1983 for example, was 6.9% above its comparable 1982 level, while paperboard production showed a gain of 8.0%.

Continued on Page 2

However, production of both paper and paperboard was severely depressed in 1982, with paperboard output moving lower than paper. Thus a better indication of the longer term trend of production would be a comparison with 1981: The seasonally adjusted rate of paper production in the January-September 1983 period was 4.4% above its average 1981 level, while the rate of paperboard production showed a gain of 0.6%.

The table in the center of the Industry Data Sheet accompanying this report presents a comparison of indexes of paper and paperboard new supply (production plus imports less exports) relative to appropriate measures of end use. End use indexes were constructed by applying weights to the measures of activity in the major markets for these products. The weights reflect the importance of these markets to paper and paperboard demand. (The new supply figure for September includes an estimate of net imports in that month.)

New supply of paper in the first nine months of 1983 rose 7.7% above 1982 and this compared with a 3.2% increase in the end use index. Compared to 1981, however, the end use index showed a 2.8% gain and new supply a 4.8% increase.

The analysis of the paperboard market shows a similar relationship. Paperboard new supply in the first nine months of 1983 was 7.8% ahead of 1982; this compares to a 4.5% gain in end use activity. Relative to 1981, however, new supply was 0.7% <u>below</u> the average rate for 1981 as a whole, while the end use index was <u>down</u> by 1.8%.

Within the paper grades, the greatest gains continue to be shown by coated and uncoated free sheet papers in the printing/writing grades, by other packaging and industrial converting papers and by tissue paper production. The gains over 1982 ranged from about 8% to over 11%, as shown in the table on page 3 and in the Industry Fact Sheet. All the major grades of paper have moved above their first half rates in the third quarter of the year, pointing to the breadth of the recovery.

The only grades in which new orders and unfilled order data are collected among the paper grades are in printing and writing. In each case, new orders for the first nine months of the year were well above the level of shipments, resulting in significant increases in the unfilled order backlog. There was some caution, however, in the September performance; new orders for coated papers were 6% below the shipments rate in September. For the uncoated groundwood and uncoated free sheet papers, new orders were also below the shipments level, but by modest amounts.

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

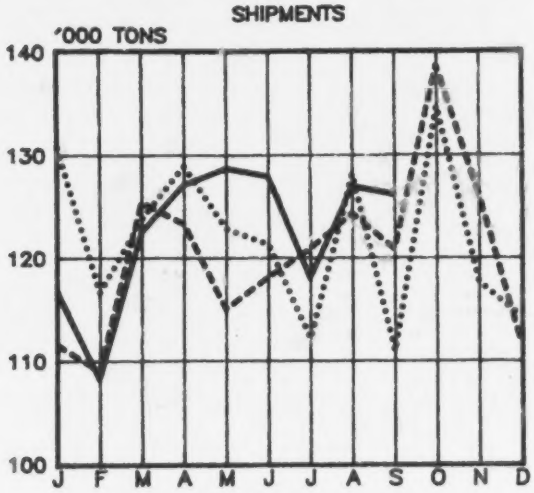
	YEAR 81	YEAR 82	JUNE 83	JULY 83	AUG. 83 R	SEPT 83 P	Annual Rate Y-T-D 83	% Change From same Period Last Year
PAPER								
Newsprint - Production	5239	5042	410	417	459	415	5132	0.8
- Shipments	5220	4988	435	438	457	413	5083	1.9
Printing & Writing	15722	15843	1481	1337	1533	1408	17039	8.3
Groundwood Paper - Shipments	1483	1438	128	118	127	126	1471	2.3
- New Orders	1449	1469	131	135	162	125	1544	4.7
- Unfilled Orders	100	91	99	114	145	145	145	37.9
Coated Paper - Shipments	4840	5032	481	453	536	468	5578	11.4
- New Orders	4893	4998	543	498	556	441	5783	16.7
- Unfilled Orders	360	325	457	524	528	502	502	57.7
Unctd Free Sheet - Shipments	7898	7847	732	652	754	698	8580	9.6
- New Orders	7735	7820	744	755	777	696	8938	14.8
- Unfilled Orders	370	321	480	588	608	611	611	90.4
Thin Paper - Shipments	336	323	30	24	28	26	333	1.6
Cotton Fiber Paper - Shipments	125	118	9	9	11	11	122	1.7
Bleached Bristols - Production	860	865	81	81	78	78	956	9.9
Tissue Paper - Production	4518	4438	382	385	421	385	4735	7.8
Total Packaging & Other Paper *	5552	5300	480	415	514	500	5562	5.1
Unbl. Kraft Paper - Shipments	3880	3688	312	287	348	335	3775	2.9
Other Paper - Production *	1672	1612	148	128	165	165	1787	10.1
TOTAL PAPER-Production-Unadj.	31030	30422	2722	2553	2926	2708	32468	6.9
-Production-S.A.			2659	2748	2814	2815	32401	6.9
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22589	2048	1884	2128	2117	24588	7.8
Unbl. Kraft Linerboard (1)	14540	13484	1232	1184	1307	1320	14850	10.1
Production for Export	1887	1931	188	185	191	200	2244	13.3
Other Unbl. Kraft Paperboard	1062	1040	98	107	87	96	1096	0.7
Semichemical Paperboard	4719	4389	395	386	406	395	4673	6.0
Production for Export	155	185	15	20	21	17	217	13.8
Solid Bleached Paperboard	3910	3665	325	307	329	306	3869	3.6
Production for Export	557	525	53	35	37	36	523	-2.8
Recycled Paperboard	7001	6476	609	569	614	609	7124	8.6
Production for Export	24	13	6	2	1	1	24	82.4
TOTAL PAPERBOARD-Prod.-Unadj.	31232	28085	2658	2563	2743	2726	31712	8.0
- Containerboard Prod.(Dom. Use)	19040	17508	1588	1525	1668	1653	19054	8.5
- Boxboard Prod.(Dom. Use) (2)	5544	5150	448	427	452	448	5416	3.3
- All Other P'bd Prod.(D.U.) (2)	4026	3753	362	368	373	372	4234	10.3
- Total Paperbd Prod. for Export	2622	2854	282	243	250	255	3008	10.5
TOTAL PAPERBOARD PROD. - S.A.			2569	2690	2640	2858	31430	8.0
TOTAL PAPER AND PAPERBOARD								
Production - actual	62262	58488	5381	5117	5569	5434	64180	7.4
Production - S.A.			5227	5438	5453	5672	63831	7.5

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

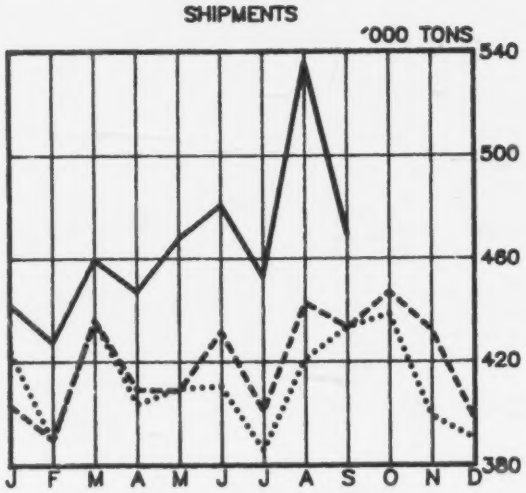
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



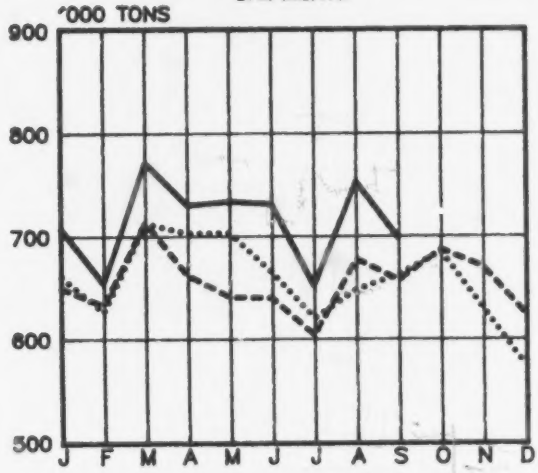
COATED PAPER

SHIPMENTS



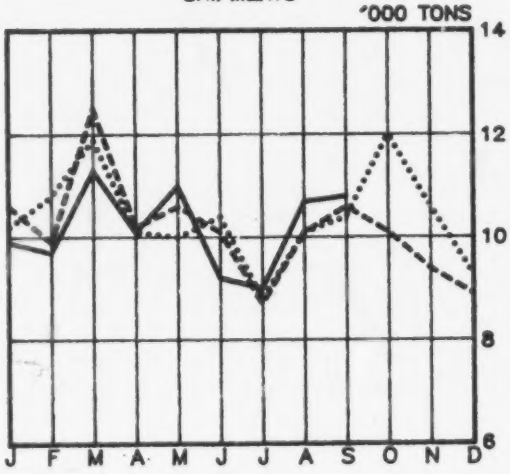
UNCOATED FREE SHEET PAPERS

SHIPMENTS



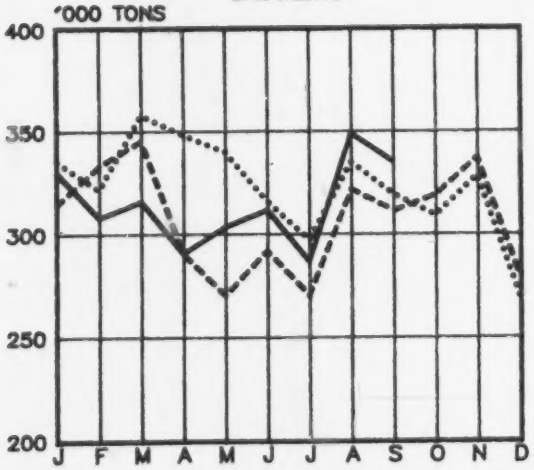
COTTON FIBER PAPER

SHIPMENTS



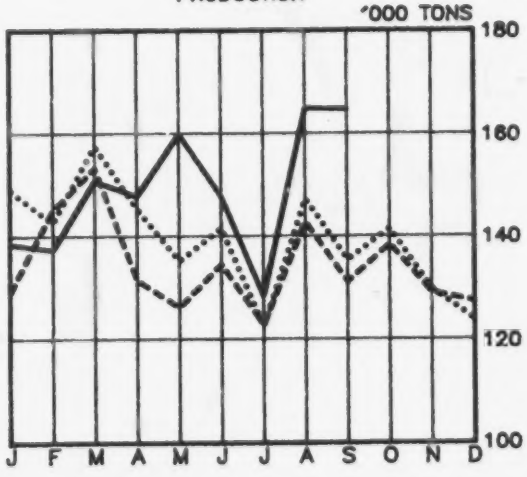
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ..... 1982 ----- 1983 ——

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 81	YEAR 82	MAY 83	JUNE 83	JULY 83	AUG. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49337	4517	4407	4109	4460	51972	3.8
- Imports	4087	3658	378	357	327	350	3836	8.9
- Exports	3678	3385	312	324	259	289	3548	1.6
- New Supply	52450	49598	4583	4440	4177	4521	52360	4.3
Dissolving Pulp - Production	1353	1092	133	123	72	98	1253	11.0
- Imports	249	186	24	13	21	10	206	7.2
- Exports	784	831	40	50	31	60	609	-3.8
- New Supply	818	847	117	87	62	50	850	23.6
Paper Grades - Production	41445	39481	3624	3531	3320	3584	41853	4.5
Chemical Pulp - Imports	3655	3302	342	328	291	322	3560	9.0
- Exports	2870	2736	267	268	224	227	2893	2.0
- New Supply	42230	40047	3698	3591	3387	3689	42520	5.0
Groundwood and - Production	5320	5064	432	417	405	436	5031	-1.2
Thermo-Mech. - Imports	183	167	12	15	15	17	170	7.7
- Exports	24	27	5	5	3	2	45	107.7
- New Supply	5478	5204	439	427	416	451	5155	-1.4
Semi-Chemical - Production	3824	3688	328	335	312	331	3835	1.2
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3824	3688	328	335	312	331	3835	1.2
MARKET WOOD PULP								
Total Market - Production	6210	5732	584	548	483	566	6418	8.7
Wood Pulp - Imports	2824	2443	305	263	233	227	2817	16.1
- Exports	3352	3143	289	321	288	297	3462	7.9
- New Supply	5782	5031	598	490	457	497	5773	12.7
Dissolving Pulp - Production	1352	1088	133	123	72	98	1253	11.1
- Imports	241	184	23	12	22	15	209	7.7
- Exports	787	875	48	85	45	52	693	4.1
- New Supply	806	808	108	80	48	62	769	17.3
Paper Grades - Production	4857	4643	450	423	420	466	5152	7.9
Chemical Pulp - Imports	2834	2202	277	248	208	210	2579	17.8
- Exports	2555	2468	240	236	224	245	2768	8.9
- New Supply	4836	4377	487	436	405	431	4963	12.2
Groundwood Pulp - Production	2	1	2	1	1	1	13	4100.0
and All Other - Imports	49	48	4	2	2	3	29	-32.0
- Exports	10	0	1	0	0	0	1	500.0
- New Supply	40	47	5	4	3	4	41	-4.8

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

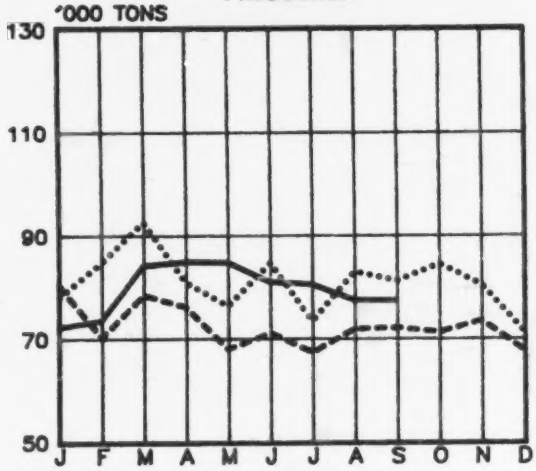
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64573	61845	5587	5531	5140	5559	64672	4.0
Total Wood Pulp	50698	48120	4378	4326	4012	4354	50486	3.7
Waste Paper	13875	13525	1221	1205	1128	1205	14186	5.2
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	208	201	208	212	212	0.8
Market Pulp at Pulp Mills	383	437	434	425	451	464	464	-3.7
Mkt Pulp at Ppr. & Bd. Mills *	454	492	528	515	489	489	489	18.4
Waste Paper at Paper &Bd. Mills	1211	1017	812	858	854	853	853	-14.8
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	30	30	33	34	34	-15.0

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

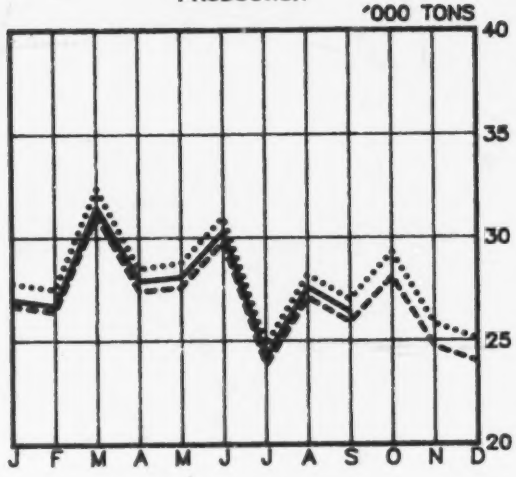
BLEACHED BRISTOLS

PRODUCTION



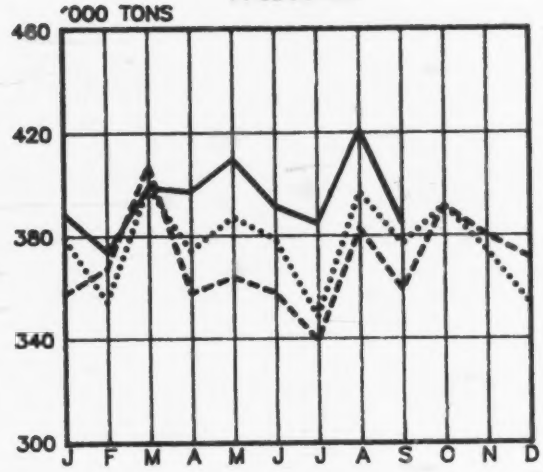
THIN PAPER

PRODUCTION



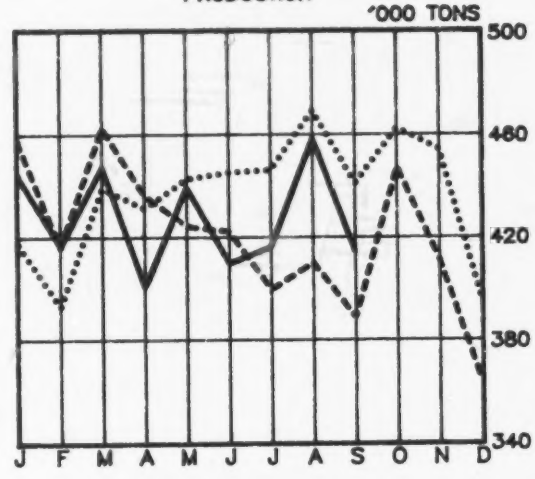
TISSUE PAPER

PRODUCTION



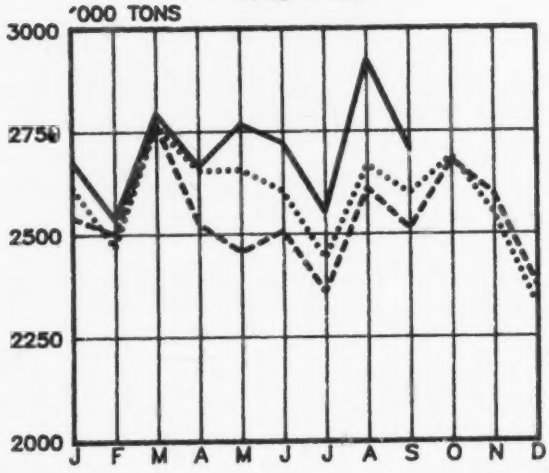
NEWSPRINT

PRODUCTION



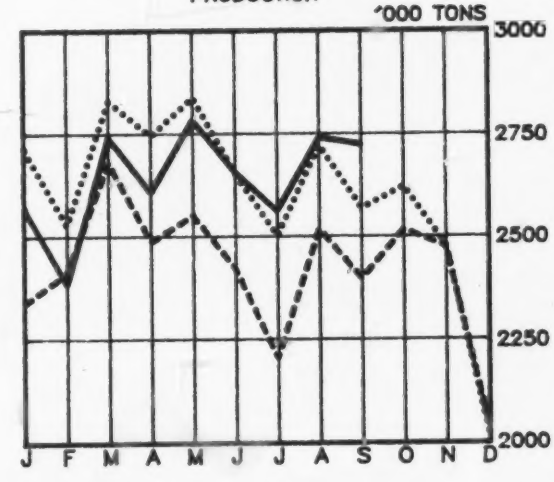
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1981 ..... 1982 - - - - - 1983 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 81	YEAR 82	MAY 83	JUNE 83	JULY 83	AUG. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	79547	78518	6843	7154	6821	7445	83453	6.8
	- Total Consumpt.	79747	79038	7025	7188	6801	7385	85046	7.4
	- Residues *	30580	31152	2731	2846	2644	2784	32387	6.2
	- Inventories	6045	5428	4877	4783	4952	5177	5177	0.4
So. Atlantic	- Total Receipts	24681	23788	2200	2164	2012	2219	25470	8.7
	- Total Consumpt	24815	23725	2123	2115	1883	2198	25706	9.1
	- Residues *	8770	8273	647	655	621	686	7761	-3.3
	- Inventories	1051	1165	878	1028	1090	1143	1143	17.0
Northeast	- Total Receipts	7803	7283	511	597	532	642	6824	-8.1
	- Total Consumpt	7712	7221	513	607	550	629	7218	-1.9
	- Residues *	1362	1452	97	107	99	96	1136	-19.4
	- Inventories	635	652	388	439	443	469	469	-23.8
South Central	- Total Receipts	27744	28510	2407	2448	2420	2633	28923	8.2
	- Total Consumpt	27687	27153	2462	2484	2366	2527	29016	5.5
	- Residues *	8923	8616	762	806	771	800	9184	8.7
	- Inventories	1825	1346	1236	1203	1259	1308	1308	3.0
North Central	- Total Receipts	5830	5801	482	535	514	523	6234	13.3
	- Total Consumpt	5708	5708	550	541	498	522	6347	11.5
	- Residues *	1439	1517	154	150	140	147	1789	31.9
	- Inventories	1108	825	800	787	805	833	833	-5.3
West	- Total Receipts	13689	15356	1343	1410	1343	1428	16002	3.8
	- Total Consumpt	13825	15234	1377	1441	1403	1519	16760	11.3
	- Residues *	10098	11294	1071	1128	1053	1055	12498	11.3
	- Inventories	1428	1338	1287	1296	1355	1424	1424	0.8

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR Tons	82 $000	JULY Tons	83 $000	AUG. Tons	83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	87043	4711	8561	372	11218	489	101818	9.4
Pulpwood Chips	1678783	51374	163254	3815	166118	4001	1960804	11.3
Wood Pulp, Total	3364194	1388688	288752	104517	344753	123999	3600032	7.4
Waste Fibrous Materials, Total	129749	23288	14088	2191	15425	2517	157833	23.6
Paper, Board & Products,Total	7707948	3272224	657501	263305	712442	293758	8109570	8.1
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	7865489	3201221	652753	254810	707895	285649	8058588	6.1
Paper Paperboard & Products	7327112	3182393	613882	254111	671779	284934	7861030	4.9
Paper & Paperboard, Only	7284863	3121582	609144	245616	667231	276825	7611028	4.8
Paper, Total	7171243	3083475	597185	242544	655850	274038	7483435	4.2
Newsprint	6484605	2730258	535048	211039	577557	233875	6708050	2.7
Printing,Writing & Rel.Par.	612760	310154	58072	27367	68993	35419	687314	18.0
Pack. & Ind. Conv. Paper	68300	46060	4722	3043	7177	3777	75240	13.4
Special Industrial Paper	1899	3123	215	341	181	306	2634	54.4
Tissue Paper	5680	3882	1107	753	1041	660	10197	73.2
Paperboard, Total	113420	28117	11878	3071	11281	2788	147593	54.1
Convtd Paper&Paperbd Products	42449	71003	4748	8485	4547	8109	50003	20.5
Wet Machine Board	1302	737	280	184	180	119	3162	184.1
Construction Paper & Board	379533	78882	43329	9010	40483	8705	445378	32.1

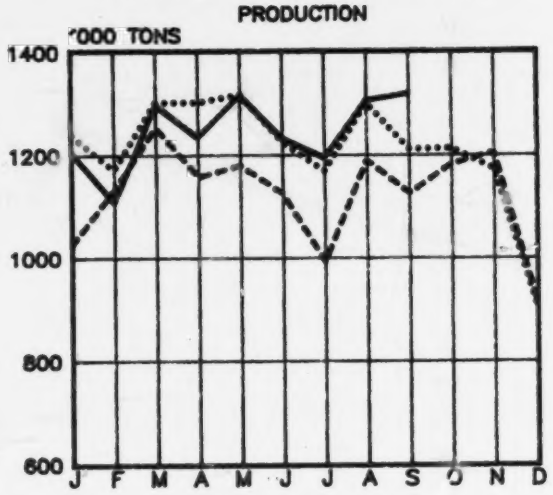
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	107700	7283	3659	168	4091	283	54816	-52.1
Pulpwood Chips	27650	1500	4810	301	2138	88	38880	42.0
Wood Pulp, Total	116067	54691	8298	3371	9187	4152	134039	18.0
Cotton Pulp & Other Pulp	6790	4152	1488	533	567	247	9138	58.2
Waste Paper	271395	32555	26268	3032	33198	3800	337658	33.8
Paper, Board & Products,Total	583206	442437	47523	31754	57770	41904	650820	28.4
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383568	275107	33381	20343	37827	26783	450468	23.8
Paper, Paperboard & Products	561355	433689	45486	30886	55155	40980	617730	27.5
Paper & Paperboard, Only	381714	268358	31344	19585	35212	25859	417578	22.1
Paper, Total	188370	185357	16247	13824	18708	18132	230764	25.8
Newsprint	3037	2671	588	432	315	305	3980	42.1
Printing,Writing & Rel.Par.	113443	85899	8498	8650	10805	9074	122822	13.3
Pack. & Ind. Conv. Paper	20288	13615	2745	1491	3128	1914	32054	88.8
Special Industrial Paper	47736	70111	4321	5108	4177	6571	68064	37.0
Tissue	3884	3062	118	144	284	268	3734	5.0
Paperboard, Total	173345	81001	15097	5761	16503	7727	186814	17.8
Convtd Paper&Paperbd Products	199840	167330	14142	11411	19944	15121	200152	40.4
Wet Machine Board	4385	2537	217	188	243	144	3751	18.8
Construction Pap & Bd. E	17487	6212	1820	580	2372	781	27138	57.0

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

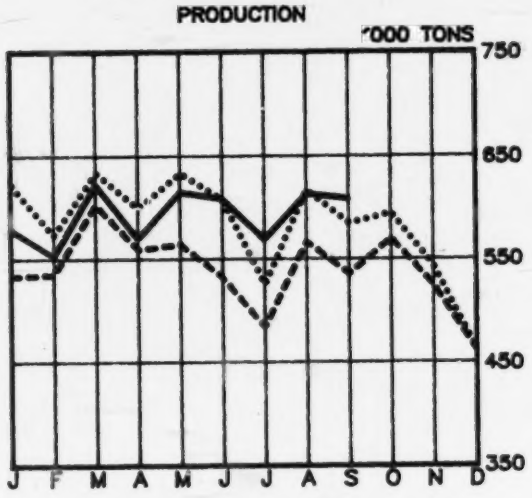
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



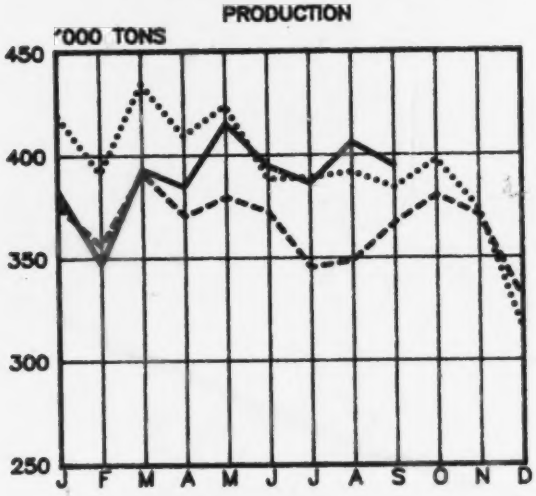
RECYCLED PAPERBOARD

PRODUCTION



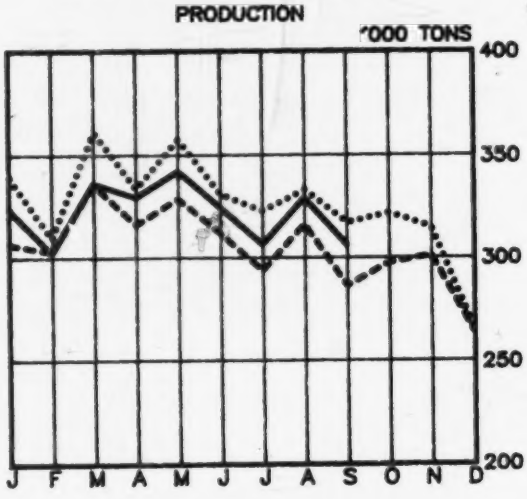
SEMICHEMICAL PAPERBOARD

PRODUCTION



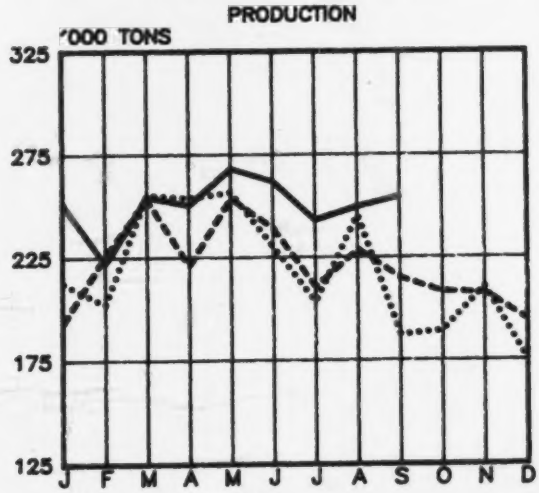
SOLID BLEACHED PAPERBOARD

PRODUCTION



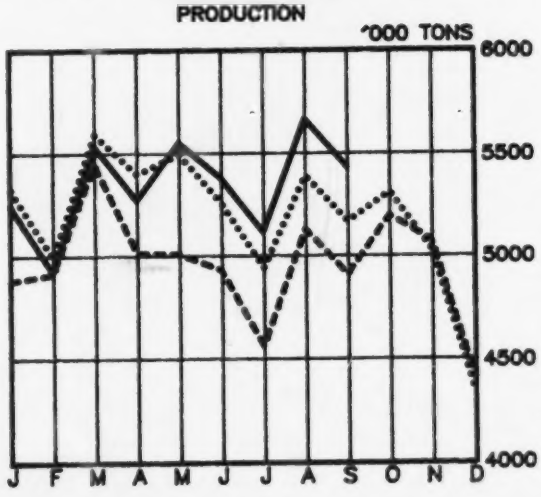
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ..... 1982 ----- 1983 ——

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR Tons	82 $000	JULY Tons	83 $000	AUG. Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change from same Period Last Year
Pulpwood, Roundwood (cords)	87043	4711	8561	372	11218	499	101819	9.4
Pulpwood Chips	1682414	51538	183257	3816	166135	4005	1966929	11.3
Total All Imports	11824303	5209303	1043905	429268	1132900	475808	12774628	9.1
Wood Pulp, Total	3655786	1483241	326754	115881	349628	125748	3835906	8.9
Waste Paper	74332	8450	10270	1018	11035	1277	100730	37.6
Other Fibrous Materials	70176	24212	4530	1828	5286	1909	67539	-4.3
Paper, Board & Products,Total	8024009	3682401	702351	310541	766850	346871	8670454	9.1
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	7917418	3344205	688886	274084	753640	307661	8531449	8.7
Paper, Prbd & Prds ex Cnst&WMB	7602651	3594201	654518	300107	720502	336517	8173845	7.9
Paper & Paperboard, Only	7496060	3258005	642053	263650	707193	297308	8034840	7.6
Paper, Total	7381252	3226307	629671	260282	694986	293825	7877111	6.9
Newsprint	6530678	2748652	538250	212130	584131	235863	6774438	2.9
Printing & Writing	764085	408351	83811	42201	101009	51915	992482	41.4
Uncoated Groundwood	514882	248196	51160	23169	63765	29313	652010	37.4
Uncoated Book	142626	80105	11631	6449	13690	7830	140170	1.8
Coated Print.& Impres. Pap	69010	46763	13311	7984	15314	9472	127125	125.2
Bristols	381	416	17	18	20	37	323	-12.0
Writing and Similar Paper	25893	19225	7061	3638	7108	4138	58832	155.9
Thin (except Cigarette)	11293	13846	631	943	1111	1125	13902	35.7
Total Pkg & Other Paper	79853	63863	6453	5123	8726	5379	89227	27.4
Unbleached Kraft Paper	23078	10749	1870	780	3869	1640	37258	72.3
Other Pkg. & Indust. Paper	56575	53114	4583	4333	4857	3740	51968	10.2
Tissue	6828	5241	1158	837	1120	768	10985	53.8
Paperboard, Total	114808	29698	12381	3358	12207	3381	157729	62.4
Test or Containerboard	35983	8459	3510	834	3622	872	48359	71.1
Semi-Chemical Corrugating	47285	9879	4620	945	4954	1110	60682	54.3
Other Paperboard	31531	11360	4252	1479	3631	1299	48689	84.9
Convtd Paper&Paperbd Products	106591	338196	12466	36457	13310	39210	139005	31.9
Paper Products, Total	92059	307245	8595	30129	11228	34639	112325	22.2
Paperboard Products, Total	14532	30951	2870	6328	2082	4571	26680	97.9
Wet machine Board	1842	1239	287	197	259	229	3573	105.2
Construction Paper & Board	419515	86961	47536	10237	46189	10126	493036	31.7
Notes								
Other: No Weight Avail. ($000)		135348		13202		15154	138116	1.1
Total Imports Incl. Other($000)		5344649		442469		490959	5405512	1.1

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	3658	168	4091	283	55614	-53.2
Pulpwood Chips	2860133	231140	288644	19371	266382	15448	2760542	-7.4
Total All Exports	9872299	4315138	865404	334327	911262	354338	10642322	6.5
Wood Pulp,Total	3394848	1414558	258571	96335	288798	113465	3547854	1.6
Cotton Pulp and Other Pulp	104560	72327	8208	8235	3576	4143	94965	-11.5
Waste and Old Paper	2127050	238934	185841	23061	236526	28405	2394113	12.4
Paper, Board & Products,Total	4246041	2589319	411784	209686	380362	208325	4605391	8.0
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3670413	1754352	367357	148411	330782	142823	4037393	7.9
Paper, Prbd & Prod ex Cnst&WMB	4187119	2358843	407534	208838	374897	205809	4536876	8.0
Paper & Paperboard, Only	3611491	1723977	363107	146554	325117	140308	3968879	7.8
Paper, Total	840445	679068	73742	50761	59608	47827	780708	-12.2
Newsprint	307657	142984	32280	14248	22453	9084	294837	-10.5
Printing & Writing	246817	239135	16893	15385	16505	16503	199900	-22.3
Uncoated Groundwood	55916	48430	5285	3019	2847	2783	37624	-41.0
Clay Coated Paper	81373	85485	4876	3723	6446	4875	74845	-5.5
Uncoated Free Sheet	70599	75451	4515	5924	4730	5825	60281	-18.9
Other Printing & Writing	38729	48768	2217	2718	2482	3020	27150	-32.2
Total Pkg. & Other Paper	262861	271558	24079	20367	19034	20479	278914	-3.3
Unbleached Kraft	89068	38003	11529	3978	8226	2903	119754	35.9
Other Pkg. & Indust. Paper	173793	233553	12550	16389	10808	17576	159160	-20.5
Tissue	23310	25415	480	761	1616	1751	16958	-34.4
Paperboard, Total	2771046	1044908	289365	95782	265508	92481	3178171	14.3
Solid Wood Pulp	2612568	970814	272351	89936	247059	84252	3014708	14.4
Total Linerboard	1886193	542304	212651	51581	190375	49431	2258415	20.3
Bleached Kraft Linerboard	67595	26826	9750	3824	17808	7358	133156	124.0
Unbleached Kraft Linerbd	1818599	515677	202901	47757	172486	42073	2126259	17.1
Other Unbleached Kraft	139219	60780	9978	4162	6122	3329	104271	-33.0
Other Bleached Kraft	525733	348615	47883	33484	45404	30150	566206	4.4
Semi-Chemical Corrugating	81422	18118	2040	688	5158	1342	84813	38.5
Recycled Paperboard	158478	74084	16814	5857	18450	8229	163465	12.2
Convtd Paper&Paperbd Products	575628	834868	44427	80285	49581	65502	567898	9.2
Paper Products, Total	315805	591163	24468	43670	25218	46363	306098	-4.4
Paperboard Products, Total	259823	243804	19959	16616	24363	19139	261900	30.8
Wet Machine Board	11089	5839	477	330	590	362	12578	13.4
Construction Paper & Board E	47833	24437	3773	1528	5075	2153	55837	11.7
Notes								
Other: No Weight Avail. ($000)		8890		704		1013	7600	-22.5
Total Exports Incl. Other($000)		4324128		339032		355352	4155485	-3.9

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	81	82	JUNE	JULY	AUG.	SEPT	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.2	269.4	269.9	270.1	271.7	269.4	-1.8
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	272.0	272.5	272.7	274.3	272.0	-1.8
Total Wood Pulp	397.1	379.1	346.5	347.5	348.2	348.4	345.7	-11.2
Total Paper	279.8	286.3	279.6	281.7	281.0	285.3	280.2	-2.7
Total Paper, exc. Newsprint	271.1	278.3	274.2	274.8	273.5	280.3	274.2	-1.8
Newsprint	307.5	315.8	288.1	306.3	305.8	309.6	301.8	-5.4
Total Paperboard	258.1	254.9	249.6	249.5	250.4	252.8	248.1	-3.7
Total Paper and Paperboard #	273.1	276.5	270.2	271.6	271.4	275.1	270.1	-3.0
Converted Products	258.8	264.4	264.7	264.5	265.0	265.3	264.8	0.2
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-5.6
All Commodities	293.4	299.3	302.5	303.2	304.9	305.3	302.2	1.1
Industrial Commodities	304.1	312.3	315.4	316.6	317.5	317.2	314.8	1.1

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

The paperboard grades showed varying patterns, with an 8.5% gain in containerboard production for domestic use and only a 3.3% gain in boxboard production for domestic use. Moreover, the rate of boxboard production in the first nine months of 1983, at 5.4 million tons per year, was a little below the 5.5 million tons produced in 1981, while containerboard production was a shade above its 1981 rate.

The miscellaneous grades of paperboard continue to show large gains, led by strength in production of gypsum wallboard facings, tube can and drum stock made from recycled paperboard, and panel board. The more modest gains of 3.3% were shown in the folding boxboard, 3.2% in setup boxboard and 2% in milk carton and food service board production. In all cases these figures include production for export.

Total paperboard production for export has been a major support to the paperboard market. The rate for the first nine months of 1983 was more than 3 million tons per year, 10.5% above the 1982 level and nearly 15% above its 1981 total. The table on page 3 shows that the gains were concentrated largely in output of kraft linerboard for export: the 2.2 million tons per year rate for the first nine months of 1983 was 13.3% ahead of its comparable year-ago total and 19% above the average rate for all of 1981.

Continued from Page 10

Imports, Exports and New Supply

Imports of paper and paperboard products in August 1983 showed a strong recovery from the July low, but remained well within the monthly range of imports evident in the first half of the year. The largest imported grade is, of course, newsprint; so far this year, newsprint imports were at the annual rate of 6.77 million tons per year, 2.9% above the comparable 1982 level but 2.9% below the tonnage imported in 1981. In the 1978-1981 period, imports of newsprint averaged 7.2 million tons per year. The current rate points to the greater reliance of U.S. newspaper publishers on domestic production.

Exports of paper and paperboard, as indicated earlier, are also showing strength. The Bureau of Census data presented on page 9 show exports of paper, paperboard and products in the first 8 months of 1983 up 8% from their year-ago level. The gains were concentrated entirely in the paperboard grades; exports of paper, at 791,000 tons per year, were 12% below the comparable 1982 level in this period.

With exports for September still not available, new supply figures for the third quarter of 1983 are estimates. However, the extraordinary strength in production suggests that the rate of new supply in the third quarter of 1983 was close to 70 million tons per year. The Department of Commerce reported that real GNP (Gross National Product expressed in 1972 dollars) rose at the rate of 7.9% per year from the second to third quarters of 1983. This would bring the total to an estimated 1.55 trillion 1972 dollars, a new high for this series. This, in turn, suggests that the ratio of new supply to real GNP in the third quarter of 1983 was about 44,900 tons per billion dollars of real GNP, about equal to its 1977-1979 average level.

Fibrous Raw Materials

Total production of wood pulp in the first 8 months of 1983, as shown by the table on page 5, was 3.8% above the comparable 1982 level. At 52 million tons per year, the rate was very close to the total production rate in 1981.

The production of dissolving pulp, however, showed a particularly large gain from the depressed 1982 level, rising 11% to a 1.25 million ton per year rate. However, even this gain brought the rate to only about 100,000 tons below the level reached in all of 1981.

Among the paper grades of pulp, total production was at an annual rate of 50.7 million tons per year, about 3.7% above the comparable 1982 rate and almost exactly equal to the 1981 production level. The gain was concentrated in the paper grade chemical pulps; production rose about 4.5% in the first 8 months of 1983 over its year-ago level and about 1% over the 1981 level.

Continued on Page 12

Continued from Page 11

Production of market wood pulp in the first 8 months of 1983 was nearly 9% over its comparable 1982 level; relative to 1981, the increase was 3%. Similarly, imports of paper grade chemical market pulp showed a gain of nearly 18% from 1982 to 1983, but this was still 3% below the 1981 level.

Paper grade chemical market pulp exports gained 9% over 1982 and are running at a rate 8% above that for 1981. In all three years, exports of chemical paper grade market pulp accounted for about 53% of the total production of market pulp.

Inventories of market pulp at U.S. pulp mills and paper and paperboard mills showed a pattern typical of a recovery phase of the business cycle. As of the end of August, inventories of market pulp at pulp mills were about 4% below their corresponding 1982 levels, while inventories of market pulp at paper and board mills showed an 18% gain. The inventories at U.S. pulp mills at the end of August 1983 were equivalent to 34 days of supply, compared to 40 days of supply as of the end of August 1982.

Inventories of waste paper at paper and paperboard mills declined an estimated 15% in this period, probably reflecting the strong domestic and export demand for waste paper. Waste paper consumption at paper and board mills rose an estimated 5.2% over 1982 and 2.2% over total 1981, as shown on the lower part of the table on page 5.

Sales and Earnings

The strength in paper and paperboard production evident in the third quarter of the year was reflected in an increase in sales of the paper companies. Sales usually decline from the second to third quarters of the year. This year, an analysis of data of 28 paper companies reported in the press showed sales rising by 3.2% from the second to third quarter of the year. Similarly, earnings, which also usually decline from the second to third quarters, rose by 14.9%. Thus, the margin on sales, which had been 3.2% in the first quarter, and 3.7% in the second, rose to 4.1% in the third quarter of the year.

Relative to 1982, the third quarter sales showed a gain of 14.3% while earnings were up 42.1%. Sales of these companies for the first three quarters of 1983 were up by 10.2%, while earnings rose 19.0%. Thus the margin on sales went from 3.4% in the first three quarters in 1982 to 3.6% in the first three quarters of 1983. The margin on sales for all paper and allied products companies, as reported in the Quarterly Financial Report for Manufacturing Corporations, averaged 2.4% in 1982 and 5.0% in 1981.

The companies analyzed from the press reports accounted for approximately 62% of the total value of sales of all paper and allied products companies as reported in the Quarterly Financial Report for Manufacturing Companies

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

OCTOBER 20, 1983

PRODUCTION (000 TONS)

	Sept 83	Aug. 83	Sept 82	Jan - Sept 83	Jan - Sept 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	415	459	389	3849	3819	0.8
Printing & Writing	1408	1533	1319	12780	11694	9.3
Uncoated Groundwood (s)	126	127	122	1103	1078	2.3
Coated Paper (s)	469	536	433	4183	3755	11.4
Uncoated Free Sheet Paper (s)	698	754	656	6435	5872	9.6
Thin Paper (s)	26	28	26	250	246	1.6
Cotton Fiber Paper (s)	11	11	10	92	90	1.7
Bleached Bristols (s)	78	78	72	717	653	9.9
Tissue Paper	385	421	359	3551	3294	7.8
Total Pkg & Other Paper	500	514	443	4171	3968	5.1
Unbleached Kraft Packaging & Indl. Converting (s)	335	349	312	2831	2751	2.9
Other Paper *	165	165	131	1340	1217	10.1
TOTAL PAPER	2708	2926	2510	24351	22775	6.9
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1416	1393	1209	12035	11003	9.4
Unbleached Kraft Linerboard	1320	1307	1126	11213	10187	10.1
Other Unbl. Kraft Paperboard	96	87	83	822	816	0.7
Semichemical Paperboard	395	406	367	3505	3307	6.0
Bleached Paperboard	306	329	287	2902	2801	3.6
Recycled Paperboard	609	614	536	5343	4918	8.6
TOTAL PAPERBOARD	2726	2743	2399	23784	22029	8.0
TOTAL PAPER AND PAPERBOARD	5434	5669	4909	48135	44805	7.4

WOOD PULP (ALL GRADES)	Aug. 83	July 83	Aug. 82	Jan - Aug. 83	Jan - Aug. 82	% Change 83/82
Dissolving & Special Alpha	99	72	99	836	753	11.0
Bleached Sulfite	108	99	103	860	858	0.2
Unbleached Sulfite	26	21	29	208	229	-9.0
Bleached & Semi-Bl. Sulfate	1806	1699	1727	14021	13339	5.1
Unbleached Sulfate	1654	1500	1574	12814	12287	4.3
Semichemical	331	312	286	2556	2526	1.2
Groundwood and Thermomechanical	436	405	408	3354	3396	-1.2
TOTAL PULP DIVISION DATA	4460	4109	4227	34648	33386	3.8

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

October 31, 1983

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	July	August	September		
Total Production (API)..... excluding	62262	59488	5117	5669	5434	64180	7.4
Total Seasonally Adjusted.... construction			5438	5453	5672	63831	7.3
Imports (including Products). and wet	7941a	7603b	655	721	N.A.	8198	9.0
Exports (including Products). machine	4561a	4187a	408	375	N.A.	4566	7.8
Apparent Consumption..... grades	65642a	62904a	5685	5798	5872	67464c	7.8
Paper Production % Tonnage Capacity.....	92.1	87.7	82.6	94.3	90.2	91.3ah	-
Paperboard Production % Tonnage Capacity.....	90.8	81.9	83.3	88.6	91.1	88.8a	-
			June	July	August		
IMPORTS..... Including Construction and	8339	8024	836	702	787	8870	9.1
EXPORTS..... WMB Grades (excl. HPB)	4641	4248	383	412	380	4605	8.0
MARKET WOOD PULP PRODUCTION - Tons (000).....	8210	5732	548	483	566	5418	8.7
TOTAL WOOD PULP PRODUCTION - Tons (000)..(P)....	52041	48337	4407	4108	4460	51972	3.8
WOOD PULP IMPORTS - TONS (000).....	4087	3656	357	327	350	3938	8.8
WOOD PULP EXPORTS - TONS (000).....	3678	3395	324	259	289	3548	1.6
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS excluding			June	July	August		
Wood Pulp..... consumption for	50698	48120	4328	4012	4354	50486	3.7
Waste Paper..... construction &	13875	13525	1205	1128	1203	14186	5.2
TOTAL..... WMB grades	64573	61645	5531	5140	5559	64672	4.0
PULPWOOD CONSUMPTION Cords(000) Amer. Pulpwd. Assn	79747	79039	7188	6801	7395	85046	7.4
EMPLOYMENT (000)			July	August	September		
Paper and Allied Products.....Total.....	688.5	682.0	658.8	663.7	664.3	655.5	-1.4
Pulp, Paper and Board Mills.....Total.....E	267.3	257.8	255.4	254.7	255.4	253.1	-2.3
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	8.60	9.32	10.06	10.01	10.09	9.84	6.6
Pulp, Paper Mills.....E	10.05	10.88	11.90	11.83	11.90	11.56	7.5
Paperboard Mills.....E	10.23	11.13	12.30	12.36	12.40	12.00	9.2
			1983 Q1	1983 Q2	1983 Q3		
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS (Rept. by US Dept. of Com., Ann. Rates, Bill.$)e	6.72	5.97	6.02	6.30	6.05	6.19r	3.7
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			July	August	September		
IN PULP, PAPER ...Production Workers.....	108.2	108.8	118.4	123.1	124.8	120.5	10.4
AND BOARD MILLS...All Employees.....	107.5	108.3	117.2	121.5	123.6	118.8	10.3
PAPER AND ALLIED PRODUCTS (Million $)			June	July	August		
Industry Shipments (Dept. of Commerce)e.....	80251	78882	7128	7124	7282	83282	5.3
Pulp, Paper and Paperboard e.....	35116	33523	3045	3051	3086	35312	4.5
Inventories (End of Period) - Total Industry e.	8641	8507	8328	8334	8372	8372	-2.6
Pulp, Paper and Paperboard e.....	3224	3365	3272	3242	3216	3216	-4.8
			1982 Q4	1983 Q1	1983 Q2		
Sales (Corporations Only, FTC).....	62699	60283	14939	15524	16500	64048	5.2
Earnings (Corporations Only, FTC).....	3110	1460	198	441	543	1988	15.2
Depreciation (Corporations Only, FTC).....	2267	2379	595	641	651	2604	10.2
Net Worth (Corporations Only, FTC).....	26558	26705	26705	26995	26856	26856	-0.2
			July	August	September		
PRICE INDEXES (Bureau of Labor Stats) 1967=100							
Pulp, Paper & Products, ex. Building Grades...	270.8	273.2	269.9	270.1	271.7	269.4	-1.8
Wood Pulp.....	387.1	379.1	347.5	348.2	348.4	345.7	-11.2
Waste Paper.....	175.7	121.1	116.0	116.0	116.0	116.0	-5.6
Paper.....	279.8	286.3	281.7	281.0	285.3	280.2	-2.7
Paperboard.....	258.1	254.9	248.5	250.4	252.8	248.1	-3.7
			July	August	September		
PAPER DEMAND (INDEXED: 1967=100)							
Total Paper Production e.....	148.3	145.4	157.5	161.2	161.3	154.7	6.8
Paper New Supply e.....	137.7	135.1	144.8	151.3	150.0	144.3	7.7
Total End - Use Index e.....	150.3	149.5	157.7	159.9	161.5	154.5	3.2
Production of Nondurable Goods e...(19%)..	164.7	156.1	170.2	172.1	174.2	165.6	6.0
Disposable Income (Constant $) e...(23%)..	154.3	157.8	164.2	163.8	164.5	162.1	3.0
Total Printing and Publishing e...(58%)..	144.0	144.0	151.0	154.3	156.2	147.9	2.2
Trend Factor	----------	----------	----------	Not Available	----------	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production e.....	137.1	127.8	141.5	138.8	150.3	137.7	8.0
Production For Domestic Use	132.9	122.7	136.4	133.2	145.1	132.0	7.8
Total End - Use Index e.....	149.3	139.5	151.6	153.0	155.2	146.8	4.5
Production of Consumer Goods e...(60.49%)	147.8	142.7	155.0	156.0	158.2	150.1	5.0
Production of Equipment e...(6.62%)	151.8	139.8	140.7	142.4	145.2	137.9	-2.6
Production of Materials e...(32.89%)	151.5	133.7	147.5	148.6	151.7	142.0	5.0
Trend Factor	----------	----------	----------	Not Available	----------	----------	----------
			June	July	August		
NEWSPRINT MARKETS							
Consumption by Publishers - Tons (000).....	11205	11150	947	900	933	11201	3.4
Newspaper Pub. and Printing Empl. Total(000)..	419.8	417.5	422.3	422.8	422.8	418.6	0.2
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.).....	123182	120751	9776	8867	8483	119983	6.8
WHOLESALERS SALES AND INVENTORIES (Million $)(j)							
Total Paper & Par. Prdcts., ex Wallpaper..Sales	23603	22776	2056	1865	2103	23608	3.8
Inventories (End of Period)	1971	1885	2069	2070	2124	2124	4.3
			July	August	September		
FIBRE BOX DATA (Fibre Box Association)							
Fibre Box Shipments (Million square feet).....	246152	235185	19567	22652	22317	251137	5.2
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2486	2421	2338	2338	-2.3
RETAIL TRADE (Million $)							
Total Retail Sales e.....	1047118	1074467	99521	97855	99480	1135659	8.5
Nondurable Goods Stores Sales e.....	731201	753368	66982	67160	67901	788429	5.2
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)e.	150.9	138.6	149.6	151.4	153.7	144.8	3.6
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	289.3	303.2	304.8	305.3	302.2	1.1
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	299.3	300.3	301.8	296.9	3.2
			June	July	August		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.8	353.0	358.0	363.7	363.7	8.8
			1983 Q1	1983 Q2	1983 Q3		
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).	2954.1	3073.0	3171.5	3272.0	3383.3	3268.9	6.8
G.N.P. or Expenditure - Current $.....	1513.8	1485.4	1490.1	1525.1	1554.4	1523.2	2.4

lb/capita
Pap&Paphd Othr Totl Popul(mil)
.a - 572 + 21 = 593 229.8
.b - 543 + 15 = 558 232.0
.c - 578 + 18 = 596 233.6
.E - Last month estimated by API
.e - estimated by API

a - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
j - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
r - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted